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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/601,940	09/15/2000	Sunao Furui	SONY JP-090	5242

530 7590 05/14/2004

LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK
600 SOUTH AVENUE WEST
WESTFIELD, NJ 07090

EXAMINER

ABDULSELAM, ABBAS I

ART UNIT	PAPER NUMBER
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2674

DATE MAILED: 05/14/2004

18

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/601,940

Applicant(s)

FURUI ET AL.

Examiner

Abbas I Abdulsalam

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6,8-19 and 21-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6,8-19 and 21-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- ☒ Interview Summary (PTO-413) Paper No(s). 17.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see # 17, filed 02/26/04, with respect to the rejection(s) of claim(s) 1-6, 8-19 and 21-28 under 35 U.S.C. 103(a) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of MacLean et al. (USPN 5819055).

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-6, 8-19 and 21-28 rejected under 35 U.S.C. 103(a) as being unpatentable over Jordan et al. (USPN 6100936) in view of MacLean et al. (USPN 5819055).

Regarding claims 1, 14 and 27, Jordan teaches the adaptor (150) including two graphic user interface (GUIs) accelerators (210, 235) where each accelerator is coupled to a memory unit (215, 225) such that the resultant data from the accelerators is output to computer monitors (130, 140). See Fig 1 & Fig 2. Jordan teaches that the video adapter includes at least two television tuners (260, 270) and sends video data to multiple computer displays (col. 1, lines 10-15). Jordan further teaches that the television tuners receive television signals and are coupled together in a video decoder (col. 3, lines 13-23). In addition, Jordan teaches a video graphic software (125)

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controlling the operation of the video adapter, which is coupled to a cable television input (139). (col. 5, lines 5-26). See Fig 1. Jordan teaches a step (1502) where the software monitors a request to close the window and teaches a step (1510) where the software calls the DLL to turn off the video display function of the accelerator. See col. 10, lines 48-64. However, Jordan does not specifically mention a control section for controlling the first and second display sections and for terminating the performance of graphic display processing by second display processing section.

On the other hand, Jordan teaches software loading an operating system dynamic link library (DLL). See Fig 5 (508). Jordan discloses that the DLL performs the device control requests of an application including turning on and off the video registers in the graphic accelerator, setting the video multiplexes to the correct source and setting the channel on the tuners. See col. 7, lines 64-67, col. 8, lines 1-7, col. 10, lines 6-12 and lines 57-64.

Therefore, it would have been obvious to one having skill in the art at the time the invention was made to utilize Jordan's software along with DLL for the purpose of displaying a window allowing a user to select a first or second display device. One would have been motivated in view of Jordan the software along with DLL equivalently functions as the desired control section controlling the first and second display sections.

Jordan has been described. However, Jordan does not teach first and second GUIs such that while displaying in accordance with the first GUI, the controller terminates displaying process in accordance with the second GUI in order that overlapping of the two GUIs do not occur. MacLean on the other hand teaches a dockable registers window (14) displaying a set of registers for the Visual C++ application program. MacLean teaches that in order to avoid an overlap of docks and docked windows (18, 20), the length of vertically oriented docks are

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reduced automatically by graphical user interface to accommodate display of horizontally oriented docks along substantially the entire width of the parent application window (12). See col. 3A and col. 6, lines 48-64.

Therefore, it would have been obvious to one having skill in the art at the time the invention was made to modify Jordan's computer-television display system to adapt MacLean's technique of avoiding overlapping. One would have been motivated in view of the suggestion in MacLean that overlapping prevention with respect to graphical user interface as illustrated in Fig. 3A is the same as the desired prevention of one GUI overlapping on another. The use of overlap prevention helps function computer display interfaces as taught by MacLean.

Regarding claims 2-3, Jordan teaches a video adapter system (150) along with display 1 (130), display 2 (140) and cable television connection (139). See Fig 1.

Regarding claims 4-5, 13, 17 and 26, Jordan teaches a video adapter system configured with GUI accelerators (210, 235). Jordan also teaches a computer system (100) including the use of video adaptor software (125) See Fig 1 & Fig 2.

Regarding claims 6, 8-12, 15-16, 18-19 and 21-25, Jordan teaches a screen display (300) including a channel part (326) indicating a tuned channel at the execution of the video adapter software. See Fig 3 and col. 7, lines 7-20. Also, Jordan teaches a tool window (2302) including a keypad (2308), which allows a user to select a previously tuned channel as well as a "CN" button, which allows a user to modify the name of the channel. See Fig 23.

Regarding claim 28, Jordan teaches a graphic user interface (GUI). It would have been obvious to utilize the GUI a network connection such as the Internet.

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Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following art is cited for further reference.

6,631,498 to McCauley et al.

4. Any inquiry concerning this communication or earlier communication from the examiner should be directed to **Abbas Abduselam** whose telephone number is **(703) 305-8591**. The examiner can normally be reached on Monday through Friday (9:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard Hjerpe**, can be reached at **(703) 305-4709**.

Any response to this action should be mailed to:

Commissioner of patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314

Hand delivered responses should be brought to Crystal Park II, Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology center 2600 customer Service office whose telephone number is (703) 306-0377.

Abbas Abduselam

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Examiner

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May 3, 2004


XIAO WU
PRIMARY EXAMINER